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| Application No.   | Applicant(s) |  |
|-------------------|--------------|--|
| 09/699,873        | LOSEY ET AL. |  |
| Examiner          | Art Unit     |  |
| M. Alexandra Elve | 1725         |  |

| 1 | Rejected | - | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
|   | Allowed  | + | Restricted                     |

| Z | Non-Elected  |
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| - | Interference |

| A | Appeal   |
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| 0 | Objected |

| L Ct   | mie      |          |                      |     | _[       | Date     | 3        |          |          |                       |          | Cla      | im       |              |          | _            | _[       | ate      | _              | _        |          |           | [ | Cla   | aim        |              |          |          | _[       | Date     | <u></u>         |                 | _             | _           |
|--|----------|----------|----------------------|-----|----------|----------|----------|----------|----------|-----------------------|----------|----------|----------|--------------|----------|--------------|----------|----------|----------------|----------|----------|-----------|---|-------|------------|--------------|----------|----------|----------|----------|-----------------|-----------------|---------------|-------------|
| l _  | ਲ        | 4        | Π                    |     |          |          |          |          |          |                       |          | _        | न        |              |          |              |          |          |                |          |          |           |   |       | <u> </u>   |              |          |          |          |          |                 |                 |               |             |
| Final  | Original | 8/21/04  |                      | - 1 |          |          |          |          |          |                       |          |          | Original |              |          |              |          |          |                |          |          |           | ı | Final | Original   | l            |          |          |          |          |                 |                 |               | ĺ           |
| <u>u</u>   | ទី       | 8        |                      | - 1 |          |          |          |          |          |                       | -   1    | I        | ŏ        |              |          |              |          |          |                |          |          |           |   | Œ     | Õ          | l            |          |          |          |          |                 |                 |               |             |
|  | (1)      |          | $\sqcup$             | _   | _        | Ш        |          | Ш        | Ш        | Ц                     | <u> </u> | _        |          | <b> </b>     | <u> </u> | _            | _        | Н        | _              | $\dashv$ | $\dashv$ | _         | ١ |       |            | L            | Ш        |          |          |          | Ш               |                 | _             | _           |
| <u> </u>   |          | #        | $\vdash \vdash$      |     | _        | Н        |          | Н        |          | Н                     | -        | -        | 51       | <u> </u>     | <b>L</b> | _            | H        | Н        | _              | _        | $\dashv$ | -         | - |       | 101        | ╙            | Ш        | Щ        |          | Щ        | Н               | Ш               | 4             | $\vdash$    |
|  | 2        | =        | Н                    | -1  | $\vdash$ | H        |          | -        |          | Н                     | ⊢        | -        | 52<br>53 | ┡            | ⊢        | -            | Н        | Н        |                | -1       | -        | $\dashv$  | - |       | 102        | ⊢            | Н        | Щ        |          | $\Box$   | Н               | $\dashv$        | -1            | <u>—</u>    |
| -  | 4        | 11       | $\vdash$             | -1  | Н        | Н        | -        | Н        | Н        | H                     | -        | -        | 54       | ┡            | ⊢        | $\vdash$     | -        | Н        | _              | -        | -        | $\dashv$  | - |       | 103        | $\vdash$     | -        | Ш        |          | $\Box$   | Н               | -               | $\dashv$      | <u> </u>    |
| -  | 5        | -        | $\vdash$             | -1  | -        | $\vdash$ |          | Н        | $\vdash$ | Н                     | ⊢        | $\dashv$ | 55       | ⊢            | ⊢        | $\vdash$     | -        | Н        |                | ᅱ        |          | $\dashv$  | ŀ |       | 105        | ├-           | H        | -        | H        | $\dashv$ | $\vdash$        | $\dashv$        | $\dashv$      | <b>—</b>    |
| -  | 6        | 'n       | Н                    | ┪   | Н        | $\vdash$ | H        | Н        | $\vdash$ | Н                     | ┝        | ᅥ        | 56       | $\vdash$     | ⊢        |              | H        | Н        | $\dashv$       | $\dashv$ | +        | ⊣         | ŀ |       | 106        | $\vdash$     | ┝┈       | Н        | Н        | $\vdash$ | $\vdash$        | $\dashv$        | $\dashv$      | _           |
|  | 7        | -        | $\vdash$             | -1  | -        | Н        | $\vdash$ | Н        | H        | Η                     | ⊢        |          | 57       | H            | Н        |              | -        | H        |                | $\dashv$ | $\neg$   | ┪         | ŀ |       | 107        | $\vdash$     | -        | -        | H        | $\dashv$ | Н               | $\dashv$        | $\dashv$      | _           |
|  | 8        | ı        | Н                    | ┪   |          |          | т        |          |          | П                     |          |          | 58       | Т            | _        |              | Н        | Н        |                |          | $\dashv$ | ┪         | ı | _     | 108        | Н            |          | Н        |          |          |                 | $\sqcap$        | $\dashv$      |             |
|  | 9        | =        | П                    | 7   |          |          |          |          |          | П                     |          |          | 59       | Г            | Г        | П            |          | П        |                |          |          | $\dashv$  | ı |       | 109        | Н            |          | Н        |          | $\dashv$ | $\Box$          | $\Box$          | $\dashv$      |             |
|  | 10       | =        | П                    | ╗   |          |          |          |          |          |                       |          |          | 60       |              | Г        |              |          | П        |                |          | $\Box$   | $\dashv$  | ı |       | 110        | Н            |          |          |          | T        | $\Box$          | $\Box$          |               | $\Box$      |
|  | 11       | 4        | П                    | J   |          |          |          |          |          |                       |          |          | 61       |              | L        |              |          |          |                |          |          |           | - |       | 111        |              |          |          |          | $\neg$   |                 | $\sqcap$        | ╛             |             |
|  | 12       | n        |                      |     |          |          |          |          |          |                       |          |          | 62       |              |          |              |          |          |                |          | J        |           |   |       | 112        |              |          |          |          |          |                 |                 | ╛             |             |
|  | 13       | н        | Ш                    |     |          |          |          |          |          |                       |          |          | 63       |              |          |              |          |          |                |          |          | $\Box$    |   |       | 113        |              |          |          |          |          |                 |                 |               |             |
|  | 44       | u        | Ц                    |     |          |          | $\Box$   |          |          |                       |          |          | 64       | L            |          |              |          |          |                |          | $\Box$   | $\Box$    | [ |       | 114        | $\Box$       |          |          |          |          |                 | $\Box$          | ╝             |             |
|  | (5)      | *        | Ц                    | _   | Щ        | Ш        | Ш        | Щ        | Ш        | Ш                     | $\perp$  |          | 65       | $oxed{oxed}$ | <u> </u> | _            |          | Ш        |                | $\Box$   | _[       | _         |   |       | 115        |              |          |          |          |          |                 | $\square$       | $\Box$        | Ĺ           |
| Ь—   | 76       | 7        | Ц                    | _   | Ц        | Щ        | Ш        | Щ        | Щ        | Щ                     | $\perp$  | _        | 66       | L            | <b>L</b> | _            | L        | Ш        | Щ              | _        | _        | _         | ١ |       | 116        | L            |          | Ш        | Ш        | Ш        | Ш               | Ш               |               | $\vdash$    |
| <u> —</u>  | 17       | Y        | Н                    | _   | Щ        | Ш        | Щ        | Щ        | Щ        | Н                     | $\vdash$ | _        | 67       | ┞-           | <u> </u> | $\vdash$     | <u> </u> | Ш        | _              | $\Box$   | 1        |           | ļ |       | 117        | <u> </u>     | Щ        | _        | Щ        |          | Щ               | Ш               | _             | $\vdash$    |
| <u> </u>   | 18       | 1        | $\vdash$             | _   | Щ        |          | <u> </u> | Н        | -        | Н                     | <br> -   | _        | 68       | L            | ⊢        | _            | _        | Н        | $\blacksquare$ |          | 4        | 4         |   |       | 118        | <u> </u>     | Ш        | Щ        |          |          |                 | Ш               |               | <u> </u>    |
| <u> </u>   | 19       | 7        | ${oldsymbol{arphi}}$ | -1  |          | _        | <u> </u> | Н        | <b></b>  | Н                     | ⊢        |          | 69       | L            | -        | -            | _        | Н        |                |          | $\dashv$ | 4         |   |       | 119        | <u> </u>     | Ш        | Щ        | щ        | _        | Щ               | -1              | _             | Ι_          |
| ├—   | 20       | 7        | $\vdash$             | -1  | $\dashv$ | $\vdash$ | Н        | Н        | $\vdash$ | Н                     | ⊢        | _        | 70<br>71 | ⊢            | ⊢        | _            | -        | Н        |                | -        | $\dashv$ | 4         | - |       | 120<br>121 | ├-           | Н        |          | H        | _        | Н               | $\dashv$        |               |             |
|  | 21       | マト       | $\vdash$             | -1  | $\vdash$ | _        | -        | Н        | Н        | Н                     | ⊢        | -        | 72       | ⊢            | ⊢        | $\vdash$     | -        | Н        | _              | Н        | $\dashv$ | ┥         | ŀ |       | 122        | ⊢            | -        | H        |          | -        | _               | $\dashv$        | $\dashv$      | H           |
| ┝  | 23       | 7        | Н                    | -1  | -        | -        | $\vdash$ | Н        | H        | Н                     | ⊢        | $\dashv$ | 73       | ⊢            | ⊢        | $\vdash$     | ⊢        | $\vdash$ | $\dashv$       |          | $\dashv$ | $\dashv$  | - |       | 123        | ⊢            | -        | ⊢        | H        | -        |                 | $\vdash$        | $\dashv$      | <b>—</b>    |
| ⊢  | 24       | ¥        | Н                    | ┥   |          | -        | H        | H        | ┝        | Н                     | -        | $\dashv$ | 74       | $\vdash$     | ┝        | $\vdash$     | $\vdash$ | Н        |                | $\dashv$ | $\dashv$ | $\dashv$  | ŀ |       | 124        | -            | $\vdash$ | $\vdash$ |          | Н        | Н               | -               | $\dashv$      | $\vdash$    |
| <b>-</b>   | (25)     | Ž        | H                    | -1  | $\dashv$ | -        | $\vdash$ | Н        | H        | Н                     | ⊢        | _        | 75       | -            | ┝        |              | ⊢        | Н        | -              | $\dashv$ | +        | $\dashv$  | 1 |       | 125        | $\vdash$     | $\vdash$ |          |          | $\dashv$ | Н               | $\vdash$        | $\dashv$      | <del></del> |
| -  | X        | 7        | $\vdash$             | ᅥ   | $\vdash$ | Н        | $\vdash$ | Н        | ⊢        | Н                     | $\vdash$ | $\dashv$ | 76       | <del>-</del> | ┢        | -            | ┢        | Н        |                | $\vdash$ | $\dashv$ | $\dashv$  | ŀ |       | 126        | $\vdash$     | $\vdash$ | ⊢        | $\vdash$ | Н        | H               | $\vdash$        | $\dashv$      | $\vdash$    |
| <del>                                     </del> | 27       | 7        | Н                    | ┪   |          | Н        | H        | Н        | H        | Н                     | ⊢        | -        | 77       | $\vdash$     | ┢        | -            | $\vdash$ | -        |                |          | -        | ┥         | ŀ |       | 127        | -            |          | Н        | Н        | $\vdash$ | М               | H               | $\dashv$      | <u> </u>    |
|  | 28       | ¥        | 1                    | 7   |          | Н        | ┢        |          | ┢        | Н                     | $\vdash$ | $\dashv$ | 78       | 1            | Н        | Н            | Н        | Н        |                |          |          | ┪         | ŀ |       | 128        | $\vdash$     |          | Н        |          | $\dashv$ | Н               | $\vdash$        | $\dashv$      |             |
| $\vdash$   | 29       | 1>       | П                    | ┪   |          |          |          |          | Т        | П                     | $\vdash$ |          | 79       |              | T        |              | Г        | П        |                |          |          | ┪         | Ì |       | 129        | <u> </u>     |          | Н        |          |          | П               | $\Box$          | $\neg$        | _           |
|  | (30)     | 7        | П                    | ┪   |          |          |          |          | Т        |                       |          |          | 80       | Г            | Г        |              |          |          |                |          |          | ┑         |   |       | 130        |              |          |          |          |          | П               | П               |               |             |
|  | 3        | 1        | П                    |     |          |          |          |          |          |                       |          |          | 81       |              |          |              |          |          |                |          |          | ╛         | Ì |       | 131        |              |          |          |          |          | П               | П               |               |             |
|  | 32       | 7        |                      |     |          |          |          |          |          |                       |          |          | 82       |              |          |              |          |          |                |          |          |           |   |       | 132        |              |          |          |          |          |                 |                 |               |             |
| 匚  | 33       | ✓        | П                    |     |          |          |          |          | П        | Ш                     |          |          | 83       |              |          |              |          |          |                |          |          | $\Box$    |   |       | 133        |              |          |          |          |          |                 |                 |               |             |
| <b>—</b>   | 34       | 7        | Ц                    | _   |          |          |          | Ш        | _        | Ш                     | L        |          | 84       | $\vdash$     | _        | _            | L        | Ш        |                |          | Ц        | _         |   |       | 134        | L            | Ш        | Ш        |          |          | Ш               | $\square$       |               |             |
| $\vdash$   | (35      | Z        | Ш                    | _   | Щ        | Ш        |          | Ш        | _        | Ш                     | L        |          | 85       | <b>L</b>     |          | ╙            | <b>L</b> | Ш        |                |          | Ц        | _         | ļ |       | 135        | L            | Ш        | Ш        | Щ        |          | Щ               | Ш               | ┙             | L           |
| <b> </b>   | 36       | -        | $\sqcup$             | _   | Щ        | Щ        | Ш        | Ш        | $\vdash$ | Ш                     | $\vdash$ | _        | 8        | <u> </u>     | <u> </u> | _            | <u> </u> | Н        | Щ              | Щ        | 1        |           | ١ |       | 136        | <b>—</b>     | $\vdash$ | $\vdash$ | Ш        | Ц        | Щ               | $\vdash \vdash$ | $\dashv$      | <u> </u>    |
| $ldsymbol{ldsymbol{eta}}$                        | 37       | L        | Н                    | _   | Щ        | $\vdash$ | Ш        | <b>—</b> | _        | Ш                     | _        |          | 87       | <b>!</b>     | _        | _            | ⊢        | $\vdash$ |                | Ш        | 4        | 4         | l |       | 137        | $\vdash$     | <b>—</b> | _        |          |          |                 | Ш               | _             | L           |
| <u> </u>   | 38       | <b>⊢</b> | Н                    | 4   | Щ        | H        | $\vdash$ | $\vdash$ | <b> </b> | ${oldsymbol{\sqcup}}$ | -        | $\dashv$ | 88       | ⊢            | -        | _            | -        | Н        | Н              | H        | $\dashv$ | $\dashv$  | ١ |       | 138        | $\vdash$     |          | <b> </b> | $\vdash$ | Н        | Н               | Н               |               | <u> </u>    |
| <u> </u>   | 39       | ⊢        | Н                    | 4   | Н        | Н        | $\vdash$ | -        | $\vdash$ | Н                     | $\vdash$ | -        | 89<br>90 | $\vdash$     | ₩        | -            | $\vdash$ | Н        | Щ              | _        | $\dashv$ | $\dashv$  | ١ |       | 139        | ⊢            | -        | H        | $\vdash$ | Н        | $\vdash \vdash$ | $\vdash \vdash$ | H             | $\vdash$    |
| <del> </del>                                     | 40       | ⊢        | H                    |     | $\vdash$ | ⊢        | $\vdash$ | -        | -        | Н                     | $\vdash$ | -        | 91       | -            |          | -            | ⊢        | Н        | Н              | Н        | $\dashv$ | -         |   |       | 140        | ├-           | -        | H        | $\vdash$ | Н        | Н               | Н               | $\dashv$      | <u> </u>    |
|  | 41       | ⊢        | Н                    | 4   |          | Н        | $\vdash$ | $\vdash$ | $\vdash$ | Н                     | -        |          | 92       | ⊢            | -        | -            | ├─       | Н        | Н              | Н        | -+       | -         | ı |       | 141        | <del> </del> | Н        | H        | $\vdash$ | Н        | $\vdash\vdash$  | $\vdash$        | $\overline{}$ | -           |
| ┢  | 43       | ⊢        | $\vdash \vdash$      | -   | Н        | ├        | $\vdash$ | -        | ⊢        | Н                     | ┝        | $\dashv$ | 93       | -            | $\vdash$ | H            | $\vdash$ | Н        | Н              | Н        |          | $\dashv$  | ı |       | 143        | -            | H        | -        | H        | Н        |                 | ⊢┤              |               | -           |
| ├─   | 44       | ⊢        | ┥                    | -   | Н        | $\vdash$ | -        |          | $\vdash$ | Н                     | $\vdash$ | $\dashv$ | 94       | ┢            | $\vdash$ | <del> </del> | $\vdash$ | Н        | $\vdash$       | $\dashv$ | ┥        | $\dashv$  | ı |       | 144        | Η.           | $\vdash$ |          | $\vdash$ | Н        | $\vdash$        | ⊢┤              | $\dashv$      | $\vdash$    |
| <del>                                     </del> | 45       | ┝        | $\vdash \vdash$      | ᅱ   | Н        | -        | ┝╌┤      | $\vdash$ | ┢        | Н                     | <br> -   | $\dashv$ | 95       | $\vdash$     | $\vdash$ | $\vdash$     | -        | Н        | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$  | ı |       | 145        | Н            | Н        | Н        | $\vdash$ | Н        | $\vdash$        | H               | $\dashv$      | $\vdash$    |
|  | 46       | $\vdash$ | $\vdash$             | ┪   | $\dashv$ | $\vdash$ | -        | $\vdash$ | Н        | Н                     | $\vdash$ | $\dashv$ | 96       | Н            | Н        |              | ┢        | Н        | $\vdash$       | Н        | $\vdash$ | $\dashv$  | } |       | 148        | $\vdash$     | -        |          | H        |          | $\vdash$        | H               | $\dashv$      | H           |
| $\vdash$   | 47       | $\vdash$ | ┪                    | ┪   | $\dashv$ | Н        | $\vdash$ | Н        | $\vdash$ | Н                     | $\vdash$ | _        | 97       | Т            | 1        |              | Н        | Н        | Н              | Н        | $\dashv$ | $\dashv$  | ı |       | 147        |              |          |          | -        | $\vdash$ | $\vdash$        | ┌┤              | -1            | _           |
|  | 48       |          | $\vdash$             | 7   | Н        | Н        | $\vdash$ |          | П        | Н                     |          | $\dashv$ | 98       | Г            |          |              |          | Н        |                | $\neg$   | 1        | 7         | j |       | 148        | Г            | П        | М        |          | Н        | М               | $\sqcap$        | $\neg$        |             |
|  | 49       | П        | H                    | 7   | $\neg$   |          | Т        |          |          | Н                     | $\vdash$ | ヿ        | 99       | Г            | Г        |              |          | П        | П              | $\neg$   | $\dashv$ | ┪         | ł |       | 149        | T            | П        |          | $\vdash$ | Н        | $\Box$          | $\Box$          | $\dashv$      | Г           |
|  | 50       |          | П                    | ┪   | $\neg$   |          |          |          |          |                       |          |          | 100      |              |          |              |          |          |                |          | $\neg$   | $\exists$ | 1 |       | 150        |              |          | П        |          |          |                 | $\Box$          | ╛             | Г           |